

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|---|------------------|
| 19 | 0 | wet-wipe same (percent with basis adj weight) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:10 |
| 20 | 8 | wet-wipe and (percent with basis adj weight) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:11 |
| 21 | 1947 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) and (basis adj weight) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 11:38 |
| 22 | 409 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) and (basis adj weight)) and impregnated | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:14 |
| 23 | 163 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) and (liquid with basis adj weight) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:29 |
| 24 | 18781 | (ultrasonic or ultrasonically or ultra-sonic or ultra-sonically or (ultra adj (sonic or soncially))) with (bond or bonded or bonding) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 11:38 |
| 25 | 80041 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 11:39 |
| 26 | 840 | ((ultrasonic or ultrasonically or ultra-sonic or ultra-sonically or (ultra adj (sonic or soncially))) with (bond or bonded or bonding)) and (((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 11:40 |
| 27 | 705 | ((ultrasonic or ultrasonically or ultra-sonic or ultra-sonically or (ultra adj (sonic or soncially))) with (bond or bonded or bonding)) same (perforation or pore or aperture) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 12:37 |
| 28 | 43 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe)) and (((ultrasonic or ultrasonically or ultra-sonic or ultra-sonically or (ultra adj (sonic or soncially))) with (bond or bonded or bonding)) same (perforation or pore or aperture)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 11:40 |
| 29 | 115 | ((ultrasonic or ultrasonically or ultra-sonic or ultra-sonically or (ultra adj (sonic or soncially))) with (bond or bonded or bonding)) same (perforation or pore or aperture)) and layer and (nonwoven or non-woven) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 13:10 |
| 44 | 350 | 428/315.9.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 13:09 |
| 45 | 129 | 428/315.9.ccls. and layer and (nonwoven or non-woven) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 13:10 |
| - | 410 | 442/387,388,390,393.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 12:56 |
| - | 1004573 | (inner or central or middle) with layer or core | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:28 |

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| - | 251760 | cellulosic or cotton or jute or hemp or pulp | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 12:59 |
| - | 264083 | needled or needle or needling | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:47 |
| - | 11222 | ((inner or central or middle) with layer or core) same (cellulosic or cotton or jute or hemp or pulp) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:21 |
| - | 45525 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:23 |
| - | 79989 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:23 |
| - | 162 | (needled or needle or needling) and (((inner or central or middle) with layer or core) same (cellulosic or cotton or jute or hemp or pulp)) and (((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:23 |
| - | 87 | (needled or needle or needling) and (((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe) and (((inner or central or middle) with layer or core) same (cellulosic or cotton or jute or hemp or pulp)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:24 |
| - | 347911 | (inner or central or middle or core) with layer | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:29 |
| - | 5091 | (cellulosic or cotton or jute or hemp or pulp) same ((inner or central or middle or core) with layer) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:30 |
| - | 39 | (needled or needle or needling) and (((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe) and ((cellulosic or cotton or jute or hemp or pulp) same ((inner or central or middle or core) with layer)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:45 |
| - | 58348 | three adj layer | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:00 |
| - | 117 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) same (three adj layer) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:11 |
| - | 11 | ((clean or cleaning) with (sheet or wipe or fabric or cloth or nonwoven)) or wet-wipe or wipe) same (three adj layer)) and (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 13:48 |
| - | 2732 | (three adj layer) and (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:01 |
| - | 125 | ((cellulosic or cotton or jute or hemp or pulp) same ((inner or central or middle or core) with layer)) and ((three adj layer) and (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:11 |

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| - | 1119043 | (outer or surface) with layer | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:14 |
| - | 117832 | ((outer or surface) with layer) same (synthetic or thermoplastic polyester polyolefin polyamide polypropylene) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:15 |
| - | 1703 | ((cellulosic or cotton or jute or hemp or pulp) same ((inner or central or middle or core) with layer)) and (((outer or surface) with layer) same (synthetic or thermoplastic polyester polyolefin polyamide polypropylene)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 14:15 |
| - | 251 | (((cellulosic or cotton or jute or hemp or pulp) same ((inner or central or middle or core) with layer)) and (((outer or surface) with layer) same (synthetic or thermoplastic polyester polyolefin polyamide polypropylene))) and (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 15:50 |
| - | 2512 | (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same perforation | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 15:50 |
| - | 22 | ((needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same perforation) same micron | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 15:51 |
| - | 4 | 301783.ap. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/20 16:01 |
| - | 2 | 9419179.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 11:20 |
| - | 4 | 4,239,792.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 11:39 |
| - | 2 | 2862251.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 11:39 |
| - | 3 | ("4239792" "4469734" "4886697").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 11:58 |
| - | 264288 | needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 13:09 |
| - | 123388 | (aperture or pore or perforation) with size | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 13:10 |
| - | 1089 | (needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same ((aperture or pore or perforation) with size) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 13:10 |
| - | 478006 | (surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:05 |

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| - | 158 | ((needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same ((aperture or pore or perforation) with size)) and ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 13:13 |
| - | 23 | ((((needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same ((aperture or pore or perforation) with size)) same micron) and ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 13:13 |
| - | 129 | ((needled or needle or needling or needle-punch or needle-punched or needle-punching or needlepunch or needlepunching or needlepunched) same ((aperture or pore or perforation) with size)) same micron | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 14:42 |
| - | 0 | 5747394.URPN. | USPAT | 2003/05/21 13:22 |
| - | 35 | ("Re35206" "2612966" "2740184" "4041203" "4048364" "4088731" "4215682" "4225642" "4296163" "4298649" "4302495" "4355066" "4375718" "4379192" "4588537" "4592815" "4824451" "4874399" "4874659" "4902306" "4904174" "4917942" "4950531" "4961974" "4965122" "4970104" "4981747" "5037455" "5053066" "5057710" "5122048" "5226992" "5244482" "5443606" "5486411").PN. | USPAT USPAT | 2003/05/21 13:22 2003/05/21 13:22 |
| - | 13 | ("2862251" "2932839" "2942285" "3081514" "3301746" "3345243" "3377643" "3616157" "3650882" "3879257" "3949130" "3994771" "4068666").PN. | USPAT | 2003/05/21 13:29 |
| - | 25 | 4239792.URPN. | USPAT | 2003/05/21 13:29 |
| - | 10 | ("3280229" "3756907" "3949127" "3949130" "4041203" "4100324" "4128679" "4153664" "4276336" "4355066").PN. | USPAT USPAT | 2003/05/21 14:01 2003/05/21 14:01 |
| - | 51 | 4469734.URPN. | USPAT | 2003/05/21 14:01 |
| - | 2 | 6,141644.pn. | USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 14:56 |
| - | 6527 | (sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) and (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) and (betaine sultaine glyoxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:38 |
| - | 17435 | anionic and nonionic and amphoteric | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:35 |
| - | 3531 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) and (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) and (betaine sultaine glyoxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate)) and (anionic and nonionic and amphoteric) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:35 |
| - | 2105 | ((((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) and (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) and (betaine sultaine glyoxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate)) and (anionic and nonionic and amphoteric)) and (clean or cleaning) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:35 |
| - | 1947 | (((((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) and (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) and (betaine sultaine glyoxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate)) and (anionic and nonionic and amphoteric)) and (clean or cleaning)) and solution | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:36 |

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| - | 813 | ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) and (((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) and (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) and (betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate)) and (anionic and nonionic and amphoteric)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:37 |
| - | 38073 | (sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:38 |
| - | 9937 | (amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:38 |
| - | 5909 | (betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:38 |
| - | 1712 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 15:39 |
| - | 7 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric)) and ((surface or cleaning or clean) adj (wipe or wiper)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:19 |
| - | 1076 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric)) and ((cleaner cleaning or clean)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:20 |
| - | 325 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric)) and ((cleaner cleaning or clean) with (wipe or wiper or fabric or nonwoven or non-woven)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:29 |
| - | 558 | 442/327.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:30 |
| - | 1 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric)) and 442/327.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:31 |
| - | 0 | ((sarcosinate sulfate isothionate phosphate taurate lactylate glutamate) same anionic) and ((amine adj oxide glucoside polyglucoside polyhydroxy adj fatty alkoxylated sucrose) same nonionic) and ((betaine sultaine gydroxysultaine alkyliminoacetate iminodialkanoate aminoalkonoate) same amphoteric)) and 442/381.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 16:31 |

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| - | 4751 | ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) and additional adj layer | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:06 |
| - | 79 | ((((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) and additional adj layer) and (cellulosic with core) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:10 |
| - | 1200 | ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) and (singeing or flame adj (treatment or treating)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:14 |
| - | 1 | ((clean or cleaning) adj (wipe or wiper or fabric)) and (singeing or flame adj (treatment or treating)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:12 |
| - | 41 | abrasive same (singeing or flame adj (treatment or treating)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/21 17:14 |
| - | 16 | ((surface or clean or cleaning or wet) with (wipe or fabric or sheet or nonwoven or non-woven)) and (abrasive same (singeing or flame adj (treatment or treating))) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/05/22 09:09 |